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ST LOUIS MO. WEDNESDAY, DECRM

OUMAN'S RURAL WORLS

Provided wave Wednesday. In Closer

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Service specified by the state of the country and it is kept to the country and the country and it is kept to the country and it is kept to the country and it is kept to the country and the country and it is kept to the country and the kept to the country and the countr

30 and I heard the question gravely asked and gravely debated in this very room by this Association, if not by these particuthe Association, if not by these particular members here tonight, whether Missouri and we transfer and have reached and any state or not; and particular members here tonight whether Missouri and the particular members here to the state of the desire, and a man whom I regard as a man of the State or not; and particular members and the state of the desire, and a man whom I regard as a man of the State or not; and particular members and the state of the desire, and a man whom I regard as a man of the State or not; and particular members of the Association and Citic hards and administration of the state of the st

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III. Size.—Address of Welcome for the state University—By President I. A state of the state of t

We feel that we are all-both city and this Association, if not by these particular members here tonight, whether Missouri and we trust and have reason to said a great state the work in their respective localities lar members here tonight, whether Missouri and we trust and have reason to believe that the work of such comes that it took my breath away and ventions as your annual meeting, will relieve the sources that it took my breath away and ventions as your annual meeting, will re-

1. A Course for Operators of Creamer-les and Cheese Factories.—This course will continue for eight weeks and include lec-tures and practical work in Milk Testing, Buttermaking, Cheesemaking, Dairy Bac-teriology, Machinery and in selecting, judging and feeding Dairy cattle. appropriation was made. Every member of this association should at once take up

condition of milch cows and of milk: (1)
Legislation: (2) management of contaglous outbreaks (with demonstration): (3)
diseases of milch cows; (4) special diseases; (5) unwholesome food plants and
drinking water; (6) secretion through the
milk of medicinal stuffs; (7) sanitary
management; (8) disinfection of stails
(means and apparatus).
Section C.—Conveyance of milk. land,
and waterways, rallways; conveyance and
distribution in cities; (2) cleansing, spinning, cooling. Pasteurizing, sterliizing,
and concentrating (condensing) milk; (3)
arrangements for measuring and weighing; (4) cleansing apparatus for flasks; (6)
machinery for bottling, pouring and sealling.

sale of milk (wholesale and retail trade) with complete furnishings.

Buff-Jerocy's latest book on Farm Stock Dairy Work in full of practical things for pre-cal people. The Silo, how to build and Sil; e-lege, its value; soil, crops, variety and how grow. Swine, pouliry and many other sub-subj treated. Send Sic for copy. Monmouth, in

AVERAGE COWS.

turn in view of what may be produce with good care. Of course there are millions of cows that produce more than 18 pounds of butter annually, but for ever cow that yields 250 pounds of butter in year there must be three that produce only eighty-three and one-third pounds is order to bring the score down to the ger eral average. A butter yield of 250 pounds while not common, is a long way insid the possible limit of production, and this yield can be produced at a very slight if yield can be produced at a very slight in crease in expense for feed.

The product of renovated butter for the year is likely to reach 100,000,000 pounds, and that there is stock in storage for a considerable portion thereof, is the estimate of "Dairy Produce."

The amount of packing stock in storage has been variously estimated at from 25,-000,000 to 50,000 000 pounds.

It is known that a number of renovators at minor points are holding large quantities in storages which do not figure in any published statements of stock in the coolegs.















WANTED OPOSSUM SKINS and other or export. Will pay extramely high price





OATALOGUE. Empire Stove Manufacturing Colls, Minn., and Sea 148 St. Louis, No. RUPTURE OURED while you work. You pay 84 when cured. No cure, no pay, ALBX SPEIR*, Box 824. Westbrook, Maine. such wo

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THE U. S. SEPARATOR SHOWS ITS SUPERIORITY At the Oregon State Fair this year one of the attractions was a contest between the different makes of cream

separators, and, as usual, the U.S. Beat Everything. Read the following letter and notice particularly the different skimmilk tests: PORTLAND, ORE., Sept. 19, 1902.

VERMONT FARM MACHINE Co., Gentlemen:—In contest at our State Fair yesterday The U. S. Separator Beat Everything There, leaving only two one-hundredths on skimmilk, while the DeLaval, Sharples and National tied at .06. The Empire leaving .11 and the Reid .12. HAZELWOOD CREAM CO., By E. Burr.

THE U.S. SEPARATOR SKIMS THE CLEANEST SVermont Farm Machine Co., Bellows Falls, Vt.

REPEATER" SMOKELESS POWDER SHOTGUN SHEL If you want a good low-priced Smokeless Powder "load," Winchester Factory Loaded "Repeater" Shells will surely suit you. Don't forget the name: Winchester "Repeater,"

THE YELLOW SHELL WITH THE CORRUGATED HEAD.

Editor
above (

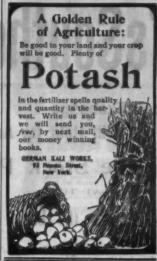
Horticulture

HORTICULTURAL TALK.

HORTICULTURAL TALK.

ORCHARD WORK.—If cowphas have en sown in the orchard, now is the time plow them under providing the work is not already been done. Even if they we been cut for hay there is still conserable matter left on the ground in e way of stems and leaves which if rined under will form available humus for enext years' crop. Another advantage fall plowing is that the soil helds moisre better and at the soil helds moisre better and at the same time the surce drys out quickly, making it possible plow earlier in the spring. Fall wing also destroys the larvae of many jurious insects. Should there be any ded up or decayed fruit on or under e trees it should, by some means, be

ming all to a switch the first year, pruning of apple trees is most imant the first few years after planting, or which time there is little to do extended to the work of the present planting. With the peach the imant pruning begins with the second after planting. At this time the should be headed as desired, after time about one-third of the preus year's growth should be removed until most provision and the preus year's growth should be removed until most provision and be made for trees to spread and w larger by leaying certain limbs



make last commercial purposes. Concerning the commercial purposes. Concerning the lists furnished by his correspondents, Mr. Stinson says they correspond with the information collected by the station from the lists of Ill are

spread roots and tramp as solid as possible banking up a little around the body of the tree.

I prefer not to trim fall planted trees much until spring just before growth starts, at which time the tree should be shaped as nearly as possible according to the way it should grow so as to avoid removing large limbs when the tree grows older. No rule can be laid down for this marks of Missouri, I want to make one reference out of Missouri, because he ought to be in Missouri, because he ought to be in Missouri—Mr. Wellhouse he found the Ben Davis by the peach trees in which case I prefer for the most profitable, while the propriage the first few second in the street of the solution of the street of the solution of

ineut. It takes a man of judgment and a careful observer of nature to do such work in the best manner.

VEGETABLE NOTES.—The farmer who does not give his family the beseful of a good garden is in a business in which he does not deserve and cannot have the highest success." Says "Home and Farm."

Clean up the garden spot. If any weeds have been allowed to go to seed they should be burned in order to destroy the seed which would otherwise be troubles some next season.

Probably the squash and pumpkin vines have been infested with insects which are harboring there on the old vines proparing to attack next years crop in a still more fierce manner. Better set fire to such vines and make a clean job of the bugs. Melon vines having shown bulght or mildew should be burned also.

Prepare for some nice fresh lettuce during the winter. If you have been carclessenough not to clean up the garden after he early vegetables had matured, and then allowed the lettuce to go to seed you may take advantage of your neglect by taking up the nice thrifty plants you will find growing there where nature cattered the seed, and setting them close together in a cold frame. Glass is of course best to cover with but if you have no such convenient place to get plants, prepare a hot bed by putting in just enough manure to furnish heat sufficient to start the seed. Boston Market to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat we relief to the heat sufficient to start the seed. Boston Market to the heat we relief to the heat we relief to the heat we relieve the plants and objects. The prevention of the plant and does to plant and the price when no other did and the price was e

When a man gets up to speak on a specific text assigned to him, if on unfamiliar ground, he sometimes feels tempted to act as does a nervous horse when hitched to a post, that is, to find out at once how long the halter strap is and how much range he can take, but upon this occasion I shall not try to prance round very much, for the prancer sometimes gets wound up, or throws himself. The toast presents the idea of a professional man stepping aside from his vocation and some based to corew with but if you have many normal to the core with hut if you have more based to corew with hut if you have more based to corew with hut if you have more based to core with hut if you have more based to core with hut if you have more based to core with hut if you have more based to core with hut if you have more based on the core with hut if you have more based on the core much produced to the core with hut of the core with hut of the core with hut of the hut of the core with hut of the hut of



sider her ways and be wise," says Scripture. More than that is required of the home windows during the comingy months. While it is best to beging with tender Begonias and Geranfor the following winters window to one can have a cheery window tusing either of the above executable. First

place a frown paper cone over the Bud a few days. This will cause it to stretch up for the light.

We don't want to depend entirely upon bulbs for they are comparatively short-lived, so come again to the border. Take upon carefully and pot in loose rich soil, but the bulbs of plants of petunia, a single red and the crop. But at the trial he is a few array of counter-claimants.

Some L. A. Goodman, D. A. Robinet and it other successful orchardists in different control of the control of th

satisfaction in building and planting in the country.

I am glad that the first Congress of American Apple Growers has been held in this city, in the state of Missouri. We owe much to other states for their achievements in apple culture. Massachusetts gave up the Baidwin, the apple so much prised by our friends in the East. New York gave us the Northern Spy and the Nowtown Pippin, the latter said to be the king of apples. New Jersey gave us the Belleflower and the Maiden Blush. Virginia, the Albemarle Pippin and Grimes' Golden. Kentucky, the Ben Davis, unequalled for profit. Missouri has

is the oldest and heaviest dealer in Ginseng in the West. He is now taking or ders for seed and plants and guarantees them to be true American Ginseng. The seed is fresh, the plants vigorous and the warrant of the cohern and their responsibility leaves nothing to be desired. For prices and full particulars address as above.

I know that it is also true from time to time. These are old bees, and die off naturally, but stop the ventilation if not taken out of the way. With a piece of stout wire bent like a poker rake them out occasionally.

PLEA FOR BEE KEEPING.

prices and full particulars address as above.

I know that it is claimed by some writers that the honey crop is on the increase, writes that the claim is defined to the property of the kansas State Furt cultures, with a property from the constitution is to be acted upon, and an prompt market may not have been as good as they might be; but are we not largely to blame for that? Let us discuss the question, how to get an early write and the property of the wild make a property of the write and the property of the property of the write that the call may be in one way. On a large scale here and there we can be deer without any of the write in write the property of the write that the

A Model Milker

is sold on a written guarantee in 100 Dr. Hess' Stock Food salight advance. Fed in a small dose.

The Aplary

on the floor, partly for the same reason and partly because they will there feel the jar of a passing team or even of one the desirable to open one or more of the hives in the bottom row. Before hives are taken in, each hive and stand should have its number plainly marked on it, that they may be returned to the same

ward. The warmth of the bees will caus



EAR CORN CRUSHER.

IT will crush Ear Corn with husks, wetor dry, frozon or soft, green or hard, at the astonishing rate of 800 to 1000 Bushels per day, using from two to four horse power. It is fed by Scoop, the ears are split and cat and shucks torn and mixed with the Corn.

It is the most practical Machi

WHITMAN AGRICULTURAL CO., St. Louis, Mo-

"Invincible, Unsurpassable, Without a Peer."

Writes a regular subscriber, who has read it for many years, of he

St. Louis Globe-Democrat

Eight Pages each Tuesday and Priday Sample Copies Proc.

GLOBE PRINTING CO., ST. LOUIS, MO.

Rural World and Globe-Democrat—Either Address, Both for \$1.25 net.

The Twice-a-Week Republic

is the Greatest and Best of all Newspapers.

Its Telegraphic and Cable News Service axeels that of any other paper. It prints the new news fully; not imaginative occurrences, but domestic and world-distant facts. Now is the time to subscribe for the best medium heeping in touch with the whole world. It is DEMOCHATIC in politics, but distinctly a NEWSPAPER and Family Journal.

REMEMBER

THE REPUBLIC, ST. LOUIS, MO.

Bural World and Republic, either address, both for \$1.25 net.



3 Magazines 500

VICK'S FAMILY MAGAZINE, Rochester, N. V. WOMAN'S MAGAZINE, S. L. Louis, Mc. GREEN'S FRUIT GROWER AND HOME COMPANION, Rochester, N. V. All 3 magazines for 50 cents. Publisher's price, \$1.10.

an place near live town. Price 32,500.

Box 144 Hartville, Me Otwell's TREE

for 7 years has grown in favor.

Millions of trees saved from the summer. It costs nothing for circulars and terms to agents.

The best thing in the world for fruit rees and you like ye to be will go ye to world.

Write W. B. OTWELL, Palentee CARCINVILLE, ILL.

\$21.00 TO NEW YORK

STOP-OVER at WASHINGTON



9 HOURS TO CINCINNATI.

Direct Line to Louisville Observation Dining Cars. TICKET OFFICE: OIL & OLIVE. F. D. GILDERSLEEVE,

per cwt., and fat cattle were soaring around 8% cents per pound, a very high official connected with the department of Meial connected with the department of rirciulture at Washington rushed into rint and more than once declared that the country was soon to have cheap best. his, coupled with the disaster to the cot-meed outlook and the drouth in Texan and Colorado caused the worst slump of the year. However, it consisted of cows and stockers, there being practically nothing the giese left to come.

Jas. A. Funkhouser, Herefords, Kansas January 28-29.—C. A. Jamison and others,

Peoria, Ill., at Chicago. February 10, 11, 12, 1908.-C. A. Stannard others, Herefords, at Oklahoma City, O. T.

stream of thin cattle upon the market all fall and winter.

In the face of these heavy runs thoroughly finished cattle steadily advanced in price, and medium grades often showed an upward tendency. However, when the misleading census figures were published; when the dry spell occurred in early spring; when the Harris-Gates syndicate cornered corn; and when Secretary Hitchcock executed his fence removal order against the ranchmen, each time a rush of warmed-up-stuff would hit the market and continue to keep prices down. Men who could have pulled their stockers through, had they foreseen the summer's abundant grass crop, lost heart early in the spring. Altogether there were thousands of cattle which went to market as many as two and three times, thus swelling the stock yards' receipts entirely out of proportion to the number that the country contained. Many cattlemen who did manage to get their stuff through the winter were over-tempted to sell it partially-fat from grass in order to realize the long-needed cash.

Finally, when the shortage was really Finally, when the shortage was really primally, when the shortage was really primally.

about to assert itself, and feeders were about to assert itself, and feeders were provocation, but to gratify the passing selling in Kansas City as high as \$5.00 whim, the fancied displeasure, or the destrength; perhaps in play, perhaps in pas-sion; and the disposition so big in all ani-mal creation to dominate if not to domi-

around 5½ cents per pound, a very high official connected with the department of agriculture at Washington rushed into print and more than once declared that her proved the print and tookers, there being practically nothing else left to come.

The last slump will occur when corn-fed cattle soon begin to prematurely come in in an endeavor to head off an anticipated decline in well-finished beef. After that the price of medium grades will begin to natwance.

The government statistician at Washington has withheld his annual estimate since three years ago; but the Treasury Eureau of Statistics recently warned the people of a shortage of more than a million head of feeding states.

The heavy corn crop this year is wholly confined to the severe portions of last year's drouth, there being an inferior cropa in the eastern and northern states to what they raised last season. Moreover the cribs and elevators are all empty and the demand from the glucose and whicky factories and for export is keen.

Considering the excessive numbers of calves recently slaughtered, their tender meat supplying the absence of thoroughly finished beef, and noting the general scarcity of well-bred cattle of all kinds, ir regard the outlook for cattle raising better than it has been for over 39 years.

Bowling Green, Mo. S. O. CRAIG.

HORNLESS CATTLE.

(Calm dates for public ssies will be published in this column free, when such sales for public ssies will be published in this column free, when such sales for public ssies will be published in this column free, when such sales for public ssies will be published in this column free, when such sales for public ssies w

Berkshire brood sows, Biltmore, N. C. HEREFORDS.

Berkshire brood sows, Biltmore, N. C. HEREFORDS.

Becember 4-5.—American Hereford Breed-and area of shelter and the increased feed 51, Dietrich & Spalding December 4-5.—American Hereford Breedsers' Association, Chicago, Ill. Week et
International Live Stock Exhibition.
December 8-3.—J. E. Logan and Benton
Gabbert & Sons, Herefords, Kansas
City, Mo.
December 10.—T. H. Pugh, Herefords,
Kansas City.

January 28-21, 1962.—T. F. B. Sotham,
Herefords, Kansas City, Mo.

January 18-21, 1962.—T. F. B. Botham,
Herefords, Kansas City, Mo.

January 18-21, 1962.—T. F. B. Botham,
Herefords, Kansas City, Mo.

This has been a business herd,
In the herds where they gouge and gore
and rip and ram each the one next weaker, as compared with the cost of caring
for the same number unarmed, dwelling
to the same number unarmed, the same of the left of the same number unarmed, the same of the left of the same number unarmed, the same of the left of the same number unarmed, the left of the left of the same number unarmed, the left of the l than strength and viciousness, demand?

If such conditions as those outlined our and present a problem to the stockman, surely he may find it simplified if not wholly solved through the rearing of cattle harmless because hornless—peaceable because polled.

SILAGE FOR BEEF CATTLE.

SILAGE FOR BEEF CATTLE.

Tobruary 34-36, 1908.—C. A. Stannard and others, Herefords, Kansas City, Mo.

Any 6-7, 1908—Colin Cameron, Herefords, Kansas City, Mo.

ANUS.

April 7-8, 1908—W. C. McGavock, Mgr., Aberdeen Angus, Kansas City, Mo.

SHORTHORNS.

December 18.—Gifford Bros., Millord, Kan., at Manhattan, Kan.

Tobruary 10-11.—Col. G. M. Casey, Clinter, Mo., and T. J. Wornall & Son, Liberty, Mo., at Kansas City, Mo.

Mound City, Kan., at Kansas City, Mound City, Kan., at Kansas City, February 12.—D. K. Kellerman & Son, Mound City, Kan., at Kansas City, February 12.—D. K. Kellerman & Son, Mound City, Kan., at Kansas City, February 12.—D. K. Kellerman & Son, Mound City, Kan., at Kansas City, Epidon on disk. Hood for bran and oil meal. They weighed the following the standard of the purpose of the last of about 180 tons the 19th of May. I fed it mostly to 6-mound of the last of about 180 tons the 19th of May. I fed it mostly to 6-mound of the last of about 180 tons the 19th of May. I fed it mostly to 6-mound of Rros., Millord, Kan., at Manhattan, Kan.

Tebruary 10-11.—Col. G. M. Casey, Clinter, Mo., and T. J. Wornall & Son, Liberty, Mo., at Kansas City, February 12.—D. K. Kellerman & Son, Mound City, Kan., at Kansas City, February 12.—D. K. Kellerman & Son, And Chile May. I fed in the winter 39 pounds and sile proportion of the winter 39 pounds and sile proportion of the May. I fed in the winter 39 pounds and sile for the pounds of grain, consisting of three pounds of grain the pound of the last three weeks which is at the last of head of the last of hea

LIVE Stock

THE BEEF CATTLE BITUATION,
The number of cattle in the United States to the isopolisation in 100 was sit; while in 100 it was only 77. The contained the states of the complete of the confidence of the complete of the confidence of the complet

Messrs. B. B. Thurmond & Bro. of Aux-

KRS.

W. J. McKinney, Arcola, Kas.

8. J. Mains, Oskaloosa, Kas.

7. Warrer Smith, Boswell, Ind.

8. E. E. Axline, Oak Grove, Mo.

9. A. McCann, Modock, Mo.

10. W. Roley, Richards, Mo.

11. W. Roley, Richards, Mo.

12. J. R. Brooder, Williamsport, Ind.

13. Dietrich & Spalding

14. J. E. Scott, Freeman, Mo.

15. Prettyman & Garvey, Pekin, Ill.

16. A. E. Shooley, Austin, Mo.

17. Miller Bros, New London, Ia.

18. A. E. Shooley

19. H. Goodwine, Ambia, Ind.

20. Dietrich & Spalding

21. H. W. Turney

22. T. J. Langen & Co., Clifton, Ill.

24. H. W. Turney

E. A. Pascall, Amsterdam, Mo.

W. B. King, Pinckneyville, Ill

46. J. Mains 47. E. E. Axline

Fifty head brought \$2,665.50; average

DISPERSION OF MAPLE GLEN HERE

This has been a business herd, but owing to my two farms being ten miles apart
I find that I cannot give them the personal attention that I had expected to, and
that I am overstocked. All things considered. I think it will be best to dispens this herd, with the exception, perhaps, of an old cow or two and a few calves.

My purchases were the grand breeding cows and young show animals of the Elmendorf herd-including half sister to Lady

went without shelter of any kind. The profit.

The cow and ox of earlier ages doubtles needed their armature of pikes; practice with them upon (neir fellows increased proficiency in their use, and, by eliminating the weakings, maintained equilibrium of numbers while promoting in the comment of the fittest. Conditions in the twentieth century are different; may it to become the cattle-raisers of our generation to readjust their methods and business along lines which all enlightence experience shows to be not only more humane but more profitable as well? The highest intelligence would seem to suggest if not dictate a manage ment most likely to result in the largest return for the least risk and smallest outlay.

Mr. Webster has been long and favorably known as the manufacturer of the least risk and smallest outlay.

Mr. Webster has been long and favorably known as the manufacturer of the least risk and smallest outlay.

Mr. Webster has been long and favorably known as the manufacturer of the convex Dishorner. This year he has brought out in addition a brand new perhaps death on other brute kind and markind at any hour of the day or night; not for reason, not for cause, not for provocation, but to gratify the passing whim, the fancied displeasure, or the desire for display of their possessor's strength; perhaps in play, perhaps in passion; and the disposition so big in all animal creation to dominate if not to dominate in the largest returns the perhaps in play, perhaps in passion; and the disposition so big in all animal creation to dominate if not to dominate if no

Market Report Furnished by Evans-Sni der-Buel Company.

Receipts of cattle fairly liberal here for \$3.00@\$3.25; good qualitied stockers, \$000 750 lbs., \$3.25@\$3.50; fair qualitied steers 600@750 lbs., \$2.65@\$3.00; common steers \$2.25 @\$2.50; good to choice stock heifers \$2.85@ \$2.50; good to choice stock heifers, \$3.856 horned and unbranded stockers and feed ers always sell a fraction better others. Good quality large young cow with good calves, \$35.00@\$50.00; medium milkers, \$22.50@\$\$2.50; common milkers 46 \$15.00@\$20.00; strictly fancy milkers 40 above \$45.00. Receipts in the Texas 100 sion were moderate, prices on both

Monday, Dec. 1, 1902. CATTLE.—Market ruled steady to

HOGS.-Market opened 5c lower, but losed strong. SHEEP.—Prices were strong.



Shorthorn Cattle,

Sotham's Southern Sale.

The National Hereford Exchange

Will Hold Its Annual Southern Sale

In the Fine Stock Pavilion,

AT THE

National Stock Yards, Across the Eads' Bridge from St. Louis.

Tuesday and Wednesday, Dec. 16th and 17th.

At This Sale 100 Head of Cattle

Will be sold by the various Hereford breeders in the territory tributary to the E. St. Louis market. There will be Will be sold by the various Hereford breeders in the territory tributary to the E. St. Louis market. There will be prime animals for the experts and useful animals for the beginner. High prices are not expected. Boom methods will be avoided. Useful cattle in useful condition, many of them peculiarly adapted to the Fouthern trade will be included. It is expected that Southern planters will attend this sale and do their Christmas trading in St. Louis at this time. This is more truly a representative Southern sale than any other in the country. The success of the Sotham Southern sale of 1901 at the same place encouraged the contributors to offer a better lot of eattle. A son of IMPROVER and a son of CORRECTOR will be included in this sale, and as Improver is dead and Corrector practically worn out with old age, there are but a few sons of these grand sires left. A special attraction will list

100 Head of High-Grade Hereford Heifers, Calves and Yearlings,

Which will be sold in lots of five or ten. These grade heifers will be on exhibition in the Fine Stock Pavillon with

The attendance of all Southern planters and others interested in the improvement of American eatile is respec-tively invited, as the St. Louis Annual Southern Sale is the only sale of pedigreed eatile held at the National Steek Yards, and buyers will find it to their advantage to attend. Headquarters during the sale will be the National Yards, and objects will find it to their savantage to attend. Readquarters turing the sale will be the National Hotel, immediately adjoining the Pavilion. A banquet will be given by the broaders contributing to this sale to their patrons at the National Hotel, on Tuesday evening, Dec. 16th. Speakers of note will attend, and the usual cattleman's experience meeting will follow the banquet. Street cars connecting via the Eads' Bridge with all lines in the city pass the National Hotel door. The rates at this hotel—service considered, can not be equalled in the

The First Day's Sale Will Commence Promptly at 1 O'clock P. M.

For Catalogs, ready Dec. 1st, and other particulars, address

T.F.B. SOTHAM, General Manager, NATIONAL HEREFORD EXCHANGE,

Chillicothe, Mo.

Auctioneers. Col. R. E. Edmonson, H. W. Graham, D. B. Rogers, J. A. Stewart.

HEREFORDS AT AUCTION. DISPERSION OF MAPLE CLEN HEREFORDS.

Property of T. H. PUCH, of Carthage, Mo., at KANSAS CITY, MO., STOCK YARDS SALE PAVILION, on DECEMBER 10, 1902......

Thirteen head of Bulls, good ones—six imported. Include half bro'her to Unionist, first at Hereford and Evesham; half brother to Bruce (sold to O. Harris for \$1,300). These were bred by T. Morris. Also half brother to Evolution, winner at Hereford and Evesham, that succeeds Mr. Naves' Protector at Sir Joseph Pulley's "Lower Eaton"; half brother to Lady Polly, winner at Hereford Evesham, and half brother to Ladyhing Water, first at Hereford and Evesham.

The sale is composed largely of cows that are dams of among the greatest prize winners on either side of the Atlantic. Their yearlings and calves are sired by Lucifer No. 108,930, that stood at the head of the first prize calf herd at Hamline in competition with all the foremost herds of this country. Write for catalogue to

T. H. PUCH, CARTHAGE, MO.

arians. Samples free. Agents Wanted SCOTCH SHORTHORNS.

A few Bulls and Heifers for sale sired by F. L. HACKLER, Lees Summit, Mo. H. W. KERR,

EEDER OF RED POLLED CATTLE. AUCTIONEERS. R. L. HARRIMAN,

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Young females, bred to calve within a short time to such bulls as Columbus (the sire of Dale), St. Grove (the greatest son of St. Louis), Hesiod 17th, Earl of Sunset Farm, Lord Southington, Quartermaster and

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You may expect to find good eattle, and you get them at your own price.

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..HEREFORDS..

600 HEAD IN HERD. CUDCELL & SIMPSON, "DESCRIPTION

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ALE.

By Casper L. Redfield.

Soft

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EUREKA

(From Christmas Horseman.)
Every breeder knows that the quality
of the sire and the dam are transmitted
more or less perfectly to the foal, and
that this transmission takes place accord-



cared it after six months' standing.

Cures also surely, asplint, constructed court, all forms of TSTILE's Asplint, from our programments, and the surely counterpressions, and TSTILE's Asplint Falling Standard Designation, aspection, and the surely aspectic forms of the surely surely aspectic forms of the surely surely aspectic forms of the surely su

as to cost and legs but they do not want to buy horses from which the long hair cr the tail bone has been cut. It is right for every shipper to dress up his horses' legs to a certain degree, for no matter how good care he gets in the way of feed, the horses that rough it on the farm grow longer hair on their legs than a dealer wants to see there. He does not, however, want to see the logs shaven and polished to the same degree as the finished cars, age or coach or saddle horses in his own stable ready for sale. He wants some evidence that he has a new subject to begin on, not some old stager which has learned bad tricks, perhaps, or one that may be affected with some recurrent disease that will not show itself until just at the wrong moment. Clean them up well, but leave the hair all on them.

POLL EVIL,

and all blemlakes on horses cured with

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Remove Lumps of all kinds on either cattle, bogs or horses.

Curb, Warts, Splints, Collar Bells, Seddle-core, Sprains or Swellings, Founder and Dietemper. Rend for pemphlet containing hundreds of testim-milais, iniliar to the following and lowest prices ever midds: cored him with Bone Sparin and Fistus for sizes, cured him with Bone Sparin and Fistus for sizes, cured him with Bone Sparin and Fistus for sizes, cured him with Bone Sparin and Fistus for sizes, cured him with Bone Sparin and Fistus for sizes, cured him with Bone Sparin and Fistus for sizes, cured him with Hamer's Sur Cure and sold him for sizes for the cured him with Hamer's Sur Cure and sold him for some years with Bone Sparin and Fistus for sizes, cured him with Hamer's Sur Cure and sold him for some years with Bone Sparin and Fistus for sizes, cured him with Hamer's Sur Cure and sold him for some years with Bone Sparin and Fistus for sizes, cured him for sizes for the miner size of the size of the

M. L. AYRES' PERCHERONS

My October importation now in my Shenandoah Barns. 100 REGISTERED PERCHERONS on the farm; 75 STAL-LIONS. Most of them ton horses. Come and see them.

M. L. AYRES, Shenandoah, lowa.

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DISPERSION SALE OF

Registered Percherons and High-Class Jacks. 32 Head of Stallions, Brood Mares and Fillies and 5 Jacks. The best blood of the breeds represented.

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For catalogue giving full particulars address HANNA & CO., HOWARD, KAN.

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CREAT ELECTRO-CHEMIC BELT Why be a sorrowful, WEAK MAN, when this ELECTRO-CHEMIC BELT will



restore you to health and happi-ness? This great, free offer is made to you, and it holds good for few days only, so WRITE TO-DAY.

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RAVENSWOOD HERD OF SHORTHORNS.



Sunny Slope Herefords.

150 head for sale, consisting of 50 very choice Cows from 3 to 8 years old, 50 Yearling Heifers, and 50 Bulls from 8 to 24 months old. : : : Prices Very Reasonable. Write for what you want. C. A. STANNARD, Emporia, Kansas.

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coated at East St. Louis, directly opposite the city of St. Louis. Shippers should see that their stock is billed directly to the

National - Stock - Yards. C. G. KNOX, V.-Pres. C. T. JONES, Gen. M'gr. L. W. KRAKE, As'st. Gen. Mgr.

FOR SALE.—40 Registered Shorthorn Heifers from 6 to 8 months old—good ones—at farmers' prices. Young Mary, Rose of Sharon, Josephine, Phyllis, etc., families, and sired by Lochiel 119976, Scotch Minister 117294, Scotch Steward 178367.

SAM W. ROSERTS, Pleasant Green, Mo.

CLOVER LEAF FARM.

SCOTCH COWS and HEIFERS of the Butterflys, Violet Bud, Princess Royal families and Scotch-topped Rose of Sharons and Young Marys, all bred to the Scotch bull Barmpton Royal 122721; also a few high-bred Saddle Horses. Call on or address JOHN HARRISON, Auxvasse, Calloway Co., Mo.

E. F. Kiesumeyer, Wilton Junction, Iowa, importer and breader of prise-winning Percheron torses and Scotch bred Shorthors and double standard Poiled Durham cattle; 48 for sale if not told before will sell at public ale, carlie on November 19 and Horses Dec. 18. On account of 11 health 1 will go to southern California before winter.

Twenticth Century Horse Book. Method of Handling and Educating the Horse. New and Simple Treatment of Diseases by 19 and Horse Dec. 18. On account of 11 health 1 will go to southern California before winter.

en different stands and has been given the best and it now remains to be seen what account he will give of himself as a hunter in the future.

A short treatise on attle, Dogs and Chickens, giving diseases and employed. Two proceedings of the process of t



Home Circle

If my life were fed with sunshine, Fed with warmth and light and care Then methinks it too would blosson And in time rich fruitage bear,

Cheerful smiles would be the flowers Gentle words and deeds of love Would be garnered up and cherished For the harvest home above.

Ah! dear heart, the heavenly flor/st

Every tender plant doth heed, In thy chill and darksome corner Is the soil thou most doth need. Woodland shades hide flowery treasu And 'm'd Alpine snow and ice, With its petals looking skyward Blooms the lovely Edelweiss.

Written for the RURAL WORLD.

THE MAN WITH THE HOSE.

To the house end of the hose the operator attaches nozzles of different sizes and shapes to suit the work in hand. For upbolstered furniture a wide, flat nozzle is used and from this issues a cyclonic blast which dislodges every particle of dust from folds and crevices about buttons. This nozzle is also attached to a long, hollow metal tube and used to blow dust from ceiling and walls and from hanging draperies. Still another nozzle is used for dislodging dust from under baseboards and around wood work. This last is also used for blowing dust and lint off mattresses and out of the crevices about the bedstead, and in this connection I may add that a small attachment can be used

for removing grease spots and stains.

Fings, hangings and mattress s are cleaned near an open window or upon outside porches or in grassy yards where practicable. A steamlike cloud of dust

up in the room. Over the open top of the machine is fitted a balloon-like canvas bag, which permits the imprisoned a'r scape but allows the lorsened dust to fall back into the sweeper, where you may view with varied feelings several quarts of fine black gritty dirt gathered from our best room carpet.

Managers of large hotels are pleased dropping out of a transom, trailing down the hall and disappearing out of a winthe hall and disappearing out of a win-dow is all the evidence the guests have that house cleaning is in progress. In theaters, churches and public buildings the new way saves wear and tear in handling the large carpets and even the paper under them is entirely freed from dust by the searching blast of the new air plow. Several lines of hose can be run from the same engine and thus one operator can go on ahead with the wall cleaning nozzle and be followed by an-

\$100 REWARD \$100.

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure known to the medical fraternity. Catarrh being a constitutional disease requires a constitutional disease requires a constitutional treatment. Hall's Catarrh Cure is taken internally controlled the constitution of the disease cours surfaces of the system, therefore the controlled the constitution and assisting and the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers, that they offer One Hundred Dollars for any case that it fails to cure, Send to Purggists, 78c.

F. J. CHENEY & GO., Toledo, O. Sold by Druggists, 78c.

3

Holiday Written for the RURAL WORL-THE WILD FLOWER. Games

> In each pound package of Lion Coffee

> from now until Christmas will be found a free game, amusing and instructive-50 different

kinds. Get Lion Coffee and a Free Game at Your Grocers.

other with the carpet renovator, while

cleaning the house while saw was gone to the deflort all his patience considerable concett and some cuticle and while nursing himself back to heaith again, he thought out the direct draught scheme and straightway had it patiented. The powerful force embodied in compressed air has been utilized in many ways for years but only of late has it been used for blowing out the dust in private houses. The compressed air, 109 pounds pressure to the square inch, for the work of house-cleaming is furnished by a small blowing engine built into a vehicle which resembles a cross between a hoppital ambulance and a hot waffle wagon. This vehicle is stationed in the street or alley and from it a long hose is run through a window into the house. The engine when in commission makes a noise like that of a stalled automob leand a clover huller combined, but sings a soothing luilaby compared to the nerveracking noise John makes while house-cleaning is going on in the old way.

To the house end of the hose the operator attaches nozzies of different sizes and shapes to suit the work in hand. For upholstered furniture a wide, flat nozzie is used and from this issues a cyclonic blast which dislodges every particle of dust from folds and crevices about buttons. This nozzie is also attached to a

rom these syndicates.

I have sold my own stories but have yet erships," and as for instruction, I find faulty grammar and punctuation in their communications. I can spell, punctuate communications. I can spell, punctuate and typewrite my own work and am hap-py to say that it looks nice. But, listen.

mattresses and out of the crevices about the bedstead, and in this connection I may add that a small attachment can be used with this nozzie which feeds automatically into the chilling blast a poisonous disinsteating the control of the crevity of the chilling blast a poisonous disinsteating the control of I have no right to spread forth their merits by imposing on its good nature, but am that may be likened to a hollow, east-iron, wheeless carpet sweeper. The hose is attached to the handle and through this is supplied the compressed air which strikes the floor at an angle through a slit of paper-like thinness. The machine fits closely to the floor and as it is shoved along the dust is blown out over a space corresponding to the area of the machine, thus no dust at all is stirred up in the room. Over the open top of the machine is fitted a balloon-like canvas machine is fitted a balloon-like canvas with them.

with them.

I have two stories (dear to my heart) in the hands of two of these syndicates. I cannot get the cash, stories or even an explanation from them. Now let us hear from someone who has something to tell. Dype, I am afraid that the button will not materialise. Tell you what I am ging to do. I will cut out a circle of cardboard, paste my WORLD from the name page of the paper thereon, the a ribbon through it, suspend it from my neck and go gayly to the fair. Maybe it will be a little large, but everybody will know it

cation where honor and gain is the reward. It is not so much a question as to what she can do, as to what she canno

The census of 1900 enumerates 308 separ ns and in only eight of thes en are absent. There are 3 women makers; 2 women slaters or roofers omen are listed as "watchmen," "po Soliermakers, 2 women states of rows.

579 women are listed as "watchmen," "policemen" and detectives, but none are firemen. Street car drivers have that business to themselves yet there are two women "motormen" and thirteen women conductors. While there are no telegraph and telephone linemen among the gentler sex, 22,560 of them are operators for these companies. Uncle Sam employs no soldiers, saliors or marines among his nieces, yet there are 158 women employed as "boatmen" and saliors.

Following is a list of the "few occupations the American woman has invaded and the number so employed: Servants, 1,285,783; agricultural laborers, 682,299; farmers and planters, 307,706; dressmakers, 344,794; laundresses 335,282; trades, 32,514; textile workers, 22,792; 125 plumbers; 46 plasterers; 167 brick and stone masons; 24.

plasterers; 167 brick and stone masons; 241 paper hangers; 1,756 painters and glas-ers; 545 carpenters and joiners; 193 blacksmiths; 571 machinists; 6.665 work-

The man or woman who is master or mistress of the situation today is truly blessed. Every day do I feel thankful for the good health incased in a rack of bones. Was just reading of the beet fields of Nebraska and of some families that were too proud to have their children earn money on the premises of others. That is a spirit of independence in a child that should be encouraged; instead of lowering him or her in the public eye it gives them a better idea of what is expected of them. Too many children are taught to expect the best treatment, and are not taught that others deserve the same. In June we had one of the best girls leave us and go west where she gets 325 a month for general housework. We had learned to love her as one of the family and her going was as bidding farewell to one of our own. Her motner was left with six little tots to support, on a very small farm. She must have been a person of thorough methods, conscientious in her training of her little flock, none are so young, all except one are married and with the entire family is still retained that desire to do right. A teacher of other days said: "Their wealth of yellow hair was always soft and clean

RCHESTRA Instruments, Violine, Benjee, QUITARS, MANDOLINE

hat can excel us in many ways, nor do believe in robbing of rightful honors, troad minded and generous with her nergy it was distributed wherever needd. She would anticipate our wishes and was always prepared to help any of the neighbors in sickness or trouble. To evand old folks. We missed her just as we did a girl of

white inprovides the RURAL WORLD.

THE MAN WITH THE HOSE.

The lates branch of womans, who work that man has taken unto himself, and forting the arduous task of house-cleaning. In the arduous task of house-cleaning in the party of the arduous task of house-cleaning for you, for a constant who undertake to do your house-cleaning for you, for a constant who himself and of house removating is enderation, while you wait.

They take your door key and your last continue the chipmental portrain the woods or go home to your mother or to do your house-cleaning to protect the woods or go home to your mother or to do your house-cleaning to protect the woods or go home to your mother or to do your house-cleaning he protect to be seen the woods or go home to your mother or to do your house-cleaning he protect the woods or go home to your mother or to do your house cleaned and were the woods or go home to your mother or to do your house-cleaning he protect the woods or go home to your mother or to do your house cleaned and the woods or go home to your mother or to do your house cleaned and the woods or go home to your mother or to do you house cleaned and the woods or go home to your mother or to do your house cleaned and the woods or go home to your mother or to do your house cleaned and the woods or go home to your mother or to do your house cleaned and the woods or go home to your whole woods have been true your care except, the non-transferrable one of worrying labellance and the woods or go home to your whole work to the woods or go home to your whole work have been true your care except, the non-transferrable one of worrying he house while he wood and the woods while the wood while when the house while and we have the house while and wood to keep from the woods who have the house while and wood to keep from the woods who have the house while and wood to keep from the wood was wood to keep from the

by lose their dearly wrought experience will by used to prevent their children from dethe case with the parents.

Why should not girls be educated along lines that will enable them to become self-supporting as well as the boys? Since conditions have forced women into
the work-a-day world why should also not be prepared to make use of the taitients God has given her to enable her to
become a free and independent entity just
the eases will be a very broad question, farreaching in its results and it is hard to
decide whether woman's best interests
have been subserved or not. I am inclined to think this rivary a necessity
through which we are to learn that "an
The old dies that woman's mission was
no necessity for fitting herself for any
justicular vocation, no matter how well
endowed by nature for that work. Is fast
to becoming obsolete. The divine institution originated in the garden of Séden
when woman was given to man as his
is in no wise changed by time or circumstances. The twentieth century woman
is just as allve to her duttes as wife and
mother as a higher and broader education can make her, and because shis
is on an was been as bountered in the factors shis
works side by side with men in office,
behind the counter and in the factors when
being not contained the sex of
work of the twentieth century woman
is just as all wite to her duttes as wife and
mother as a higher and broader education can make her, and because shis
is on to the hard to decide which, as Kipling says. "I as any
other counter and in the factors shis
work of her. This view of the matter
opens up encless and unnecessary discussion, which, as Kipling says. "I as any
other coupling the says and
mother as a higher and broader education can make her, and because shis
is on the change of the counter of
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St. Clair county, Ill. Mothers will find "Mys. Winslow's Southing Syrup" the best remedy for Children Teething.

Poultry

FARMERS' FOWLS.

Editor RURAL WORLD:-With the Editor RURAL WORLD:—With the price of eggs climbing up as it is now, it behoves those in charge of the chickens to see that the hens are doing their duty. The biddies were first-class egg machines last April and May, when they found last the first-class egg machines and the second second



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Offer to Our Readers One of the Grandes Premiuma That Was Ever Presented for Their Consideration.

when we say we will give you the

"Rural World Sewing Machine" Absolutely Free

head is handsomely designed, well proportioned and beautifully ornamented. The needle har is round, made of steel and finely finished. The straight and self-setting. The bobbin-winder is the new automatic pattern, and is perfect in its worstings. The principal bearings are cased conveiling rounded and sitted, the feed is double, extending both sides of the needle, and is positive in its setting. The motival is explicitly in such as the state of the machine, and therefore conveiling rounded and sitted, the feed is double, extending both sides of the positive is discounted in the machine. And therefore carefully represent the length of sitch can be changed without removing the goods from the machine. The wood is quarter sawed set of a very beautiful

WE WILL BEND TOU OUR "RURAL								**	The control of the co						
40	Subscribers	at 50c	each					15	Sabscribers						
35					. 3.50	Cash.		10	64	**	50c	66	44	15.00	66
36	46	11 500		44		44		8	44		50c		66	17.50	4.6
25	44	" 50e		45	7.00			3	44	66	50c	**	46	19.00	66
20		44 80e	- 66	#1	10.00	1 66					116.7				

or we will send Colman's Rural World one year to any person, whether a new or old subscriber, and one of these elegant sewing machines for \$30.50 you have already paid your year's subscription, and would like to have one of these machines, we will make you a special price of \$19.55. Description of the "Rural World" Sewing Machine

You can have the machine as follows: Oak, highly polished, with plain faish and beautiful grain, or Oak, marquetry finish, a finish is copied from the ancients, who, when they desired to embellish soon practicular places of substantial wood, would inlay! different colors, reproducing vines, flowers, birds, etc. The reproduction on this one shows a beautiful acroll work in colors, are controlled in the colors, and on the cover of the machine is also a very handsome serol: in the same beautiful acroll work in colors, are cof these imitations, and on the cover of the machine is also a very handsome serol: in the same beautiful ministins. You make you can't get something for nothing is this world; as the old say reward without some latter. We make you the best proposition that you save had to get a sewing machine. All you have to do is the court of Colombia Eural. World, with you, a sand calle or your neighbors, show them the paper, and tell them that it is the best the deutawest; that it's editor has unbiblished it for fifty-four years; that he is ex-Secretary of Aprincial cell them that it is the best the deutawest; that it's editor has unbiblished it for fifty-four years; that he is ex-Secretary of Aprincial all subjects are authorities in the world on agricultural subjects and the forticulture, has a complete and accurate market rep t, and a pa Circle "wherein women exchange idea and write of such things as are of benefit to the housewite and the home; that is sever allow that is miseading, but that if is authorities of the subscribers, has a complete and accurate market rep t, and a pa Circle "wherein women exchange idea and write of such things as are of benefit to the housewite and the home; that is sever allow that is miseading, but that if it is always to be a subscriber and the home; that is sever allow that it is not the subscribers and the home; that is sever allow that it is not the subscribers and the home; that is sever allow that it is not that the subscribers are in the subscribers and the home; th

Are These Machines Any Good?

Don't Delay, Go to Work at Once.

The Holidays are coming on, and we want to increase our sub pilons many thousands by the first of January, and you could no

DON'T FUT IT OFF. START OUT TO-DAY.

Colman's Rural World,

Next comes the green bone pounded fine which the hen must have in winter. Many people burn the bones, Some careful housewives save them for soap greas. Don't do it; don't use five dollar go! pieces for nickles. Don't reduce you supply of eggs at 35 cents a dozen for two supply of eggs at 35 cents a domen for two cents worth of soap. If you have hers enough to make it pay get a good bone cutter, but if you have not more than 190, and every farmer ought to have at least that number, you can pound bone for them very easily with no help but an old hatchet or mailet. Get a block and have it sawed off at a convenient height and set it up in the scratching shed. Do not make the mistake of letting the bones dry before you pound them up. A big bone just out of the corned beef can be pounded in two minutes and in less time than you can wink will be snapped up; but if let dry it will be hard pounding.

It is not often necessary to say that over-fat condition that causes the snell to be soft. This often happens when hens can get into granaries and around feed boxes. I can remember the time when oats were not considered of any v lue as food for hens, but th's is a mistake. Oats swell in the crop and for that reason fowls cannot eat to much at one time; fowls cannot eat to much at one time but a few oats in the morning, or mixe with feed are very valuable. They do no tend to fatten as much as corn, but th good effects show soon in glossy plumag and increase in the number of eggs.

MARIE MERRON.

TURKEYS AND CHICKENS.

explanation from them. Now let us hear from someone who has something to test. Dyne, I am afraid that the button will receive the stand of lowering him or her in the public to great the stand of lowering him or her in the public to great the stand of lowering him or her in the public to great the stand of lowering him or her in the public to great the stand of lowering him or her in the public to great the stand of lowering him or her in the public property of great the gre Editor RURAL WORLD: Why do not hear more about the turkey? I think they are just as profitable on a farm, as any other fowl. I have a fine flock of

"MAPLE - GROVE - POULTRY - YARDS" Prise-winning Barred Plymouth Rocks, Mammotl Scotch Collie Dogs. Won in Barred Rocks at Mis Mo., Dec. 10 to 15; 1st, 2d cock; 2d, 3d cki; 3d, 4th, h ing Pen; 2d, Sweepstake in American class; 375 Bit ckis, two hens, two puliets. Barred Rocks owned trics and pens at very low prices. Eggs in season 5; M. B. Turkeys, 5; per 3, 5 per 18.

MRS. DELLA MAXWELL, Fayette, Mo.

RUPTURE OR HERNIA.

New and VALUABLE information FREE.
Write Mohawk Remedy Co., Rome; N.:

OURRON RED TURKEYS for sale. R

(2 00; Toma, 52.50; Trio, 56.56.

H. F. HEDRICK, West Salem, Ill.

40 PURE BLOOD White Embden Geess for as 40 Largest flock in Iowa to select from. Price iow. Write for full particulars. K. B. MOORHOUS, Ontario, Iowa. Reduced Prices—Pure bred poultry; 25 years experience; shipped fowls and eggs to almost ever state; cat'log. Wrs. K. Griffith, Bowling Green, Mo Harred Plymouth Rocks—Bred for size, laying qualities and standard plumage. Fine exhibition and breeding stock. Reseoushle. Albert Guigesell, Alfred and Scanlen Aves., St. Louis, Mo.

OR SALE—Some extra good Bose Comb Br. Leghorn Cockerels. H. H. FRERKING, Concordia, H.

1882—SATISFACTION—1902. GILT-ED strain—Lt Brahmas; S.L. Wyandestes. Fine Co-erels and Pullets for sale. Right prices. My st-will do you good. H. T. ERED, Camp Point, Ill Rocky Hill Ponitry Farm Breeds.—An has to sale thereughbred Ponitry; Wyandoites pectating the property of the control of the and Brow Wyandoites; also sared of the and Brows Turkey, winners wherever shows Goed breeders and exhibition birds at reasonable prices. Solidationing generateed. JOHN A. SHAW, Bor 88, McKitrick, Mg.

\$5.00 BUYS a Trie, choice young stock. \$1.00 pays for 15 Eggs, either Brown Leghorn, White Leghorn, Barred Bock, White Rock, Black Minorca, or White Wyandotte. Illustrated clie lar of fowls and buildings free. E. W. GEER, Parmington, Mo.





tor next spring and would like to know MRS. J. W. GARSIDE,

When culling the stock and selecting the young pullets that are to make the foundation of next season's breeders, bear in mind that any lack of vigor in them while they will not be hardy when fully matured. Hardiness is everything in a flock, for if any of the old or young stock cannot pass through the warm season of the not pass through the warm season of the year with freedom from disease, they will not prove profitable as layers or breeders. The getting of eggs from the hens during cold weather depends on the selection and cold weather depends on the selection management of the pullets in the sur and fall.—Poultry Keeper.

A FINE KIDNEY REMEDY

Mr. A. S. Hitchcock. East Hampton,







IF YOUR DEALER TRIES TO TALL YOU INTO THE MISTAKE OF BUYING ANOTHER MAKE, WRITE TO US. Gharter Oak Stove & Range Go



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At Walnut Valley Parm, part of them bred to Chief Perfection 2d A. W. Male pige that are bean-ties. Write for prices Write for prices. WALLEN, Monett. Mo.

POLAND CHINAS.

Hinge strain. Barred Plymouth Rock eggs to see for \$1.00.

C. H. JOHES, B. B. S. Pawnee. III. POLAID-CHINAS, gilt-edge pedi-vidual merit combined. R fc. ORGAN A SON, Carmt, White Co., III

BERKSHIRES.

BERKSHIRE BRED SOWS.

Bred for early farrow; also have some choice coars ready for service. All of best breeding and dividual merit. I also breed. Sherthoon eatie, shopshire and Octawold sheep. All orders given ormpt steation. Come and see or address and JOHN MORRIS, Chillicothe, Mo. CLOVERDALE FARM HERD

of large English Berkshire Swine, best of breng, GEO. W. McINTOSH, Monett, Mo. LARGE ENGLISH BERKSHIRE HOGS LOABN HAYES, BILLINGS, MO.

DUROC-JERSEYS.

ROSE HILL HERD OF

Good growthy Gilts, bred for spring farrow and boars ready for service. Also some choice fall plus ready fo ship. All from large sows of the prolific strain. I have two state fair priss boars

Duroc Jerseys—206 head yearling sows, spring glits, July, August and September pigs. Write me. R. M. Snoddy, Armstrong, Mo CHESTER WHITES

B. M. BOYER,

IMPROVED CHESTER WHITES. ders now taken for Spring Pigs from large, ooth, prise-winning animals. Prices reason-le. Call on write to H. RAUSCHER & SON, Ashton, Mo.

\$1.00 WILL SAVE YOU HUNDREDS.
on medicine. You can buy from your head of age, and are girl at a very low price a remedy that will cure of the control of the









Used on Outside and Inside of Hogs cures mange, canker and cough; aids diges-tion, promotes healthy growth, and Prevents Disease, at Small Cost. At dealers in Seeles Cass Only. Useful book with illustration of Dip Yank PREE. Address MOORE C. & M. CO. B Kanesa City, No.



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THE ONLY WAY" to own one of these beautiful calendars is to send twenty-five cents, with name of publication in which you read this advertisement, to GEO. J. CHARLTON, General Passenger Agent, Chicago & Alton Railway, 258 Monadonock Building, CRICAGO, LL.

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SKIM MILK AS A FOOD FOR HOGS.

POUNDS OF GAIN ON HOGS PER BUSHEL OF CORN.

The Shepherd



corner view of machinery Building, world's Fair, by drinking water. In swine raising we have one to realize that rapid growth on ent, but in the western sections of Texas we do not find it. Around Kerrville and we do not find it. Around Kerrville and the second of the

promised of core from all growing and the second of the core should grow the second of the core should be compared to the third of core should be compared to the core should grow the core should gro



Veterinary Department of Our Book

COMPARATIVE TEST.

International Stock Food Co., MINNEAPOLIS

GREATEST WHISKY OFFER EVER MADE QUARTS BEAR GRO YEAR-Bear Sion WHISKE BEAR GROVE DISTILLING CO.

SHORTHORNS AND BERRINGHRES for sale. Year Suil, Rec, by Duke of Lawndale this little. Dean Wild Spas 4th by Westerloo Duke, id. tracing to Imp. Wild Eyes 5th by 1th Duke Oxford, rear roan buil by Duke of Lawndale th, dan Constance of Feabody 6th, by the th. dok Kirklevington Duke of Wooddale.

Jan. 1807, Roan Buil by Duke of Lawndale th, dam Countess of Feabody 6th by Kirklevington Duke of Wooddale.

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Jay are and spring Gills, mostly be Lord Charmer 5d. Dame, Duchese, Lee and Mora Sows and are lengthed to Lord Lee, Harris and Mokhan's Champion Show Boar this year and Fremier Duke of Feabody, a Gentry bred pig of great promise.

This offering is of good quality and is worthy the attention of any one wanting anything is this line.

Gall on or address.

WE have 24 very fine Gilts and Sows bred; all safe, and some are farrowing

J. T. POLLARD, Fulton, Mo.

Top Poland-China Boars.

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POLAND CHINAS

Heat breeding and individuality. Early spring Pigs, both sease by Chief Eclipse 2399, co-cled friles and Sanshian Chief Trills for sain at resemblic prices. Address 30 ml. E. K. C. E. E. AXLINE, Oak Grove, Mo.

FINE BERKSHIRES of the best families at farmers' prices. Write for what you rant, or, what is better, come and inspect the stock...
W. H. KER. Prairie du Rocher, ille.





CHOOSE



The Markets

WHEAT-By sample delivered-No. 2 d 69c, 70c; No. 3 red 67@67%c; No. 4 low 5@58c; rejected 53@59c; No. 3 hard lc; Turkey 71½; No. 3 hard 62@68c, r for Turkey; No. 4 58@62½.

latter for Turkey; No. 4 85% to 20. CORN-Light buying for local account and shipment paid 41%c for No. 2 and 43% 944%c for No. 3 yellow, 38c for No. 4 and 38c for on the cob.

OATS-By sample delivered-No. 2 33c; No. 3 31% 93c; No. 4 4 3%c; No. 2 white 34%c; No. 3 white 36%c; No. 4 white 31% 933c. From store f. o. b., No 2 at 33c and No. 3 white 33c. To arrive, No. 4 white 38%c.

RYE-At 44@48c

BARLEY-At about 48@61c FLAXSEED-Nominal at \$1.1201.13. BRAN-E. trk. 66c for bran in bulk, 636 70 in large and 71@73c in small sks.; mixed feed at 73@74c and mids at 75@65c in 10:s. At mill bran sells at 70@73c and ships at

BUCKWHEAT-Eastern at \$6.50.

EGGS-Current receipts 20% to

POP CORN-New white on cob \$1.10 per 100 lbs. for pearl; \$1.25@\$1.04 for dry

PEANUTS-Red 14@2c; white 24@2%c. CIDER-\$3.50@\$6.50 per bbl. HICKORY NUTS-85c; large \$1.25@\$1.50

per bbl.; late varieties at \$8@\$8.50. POTATOES—Home grown

ONIONS---Northern 60c for red globe;

ONIONS—Nerthern 60c for red globe;
Northern Mslsourl at 356/46c; white 606/70c.
SWEET POTATOES Hermuda 506/60c;
Nansemond 656/75c; Queen 50/65c per bubox.
HORSES—The supply in the auction approximated 200 head, which, however, was called moderate, and looked so by comparison with the demand. The latter was very effective, it representing several new yrominent operators on Eastern account, who, coming into competition with the minent operators on Eastern account, to, coming into competition with the pular local element. generated a much onger movement than was apparent on stern kinds last week. It was a partularly good market on the decent to tra kinds of chunks, drafters and such processing the company of the co

HRS. Has been used for over starty years by millions of mothers for their WINSLOW'S ing with perfect sue-SDOTHING cess. It soothers the child, SOTHING softens the guma, allays SYRUF all pains overes wind coile, and is the best remedy for diarrelevant. Bold by Drugstat in every part of the world. Be sure and ask for films, Winslow's Stothing Gyrng," and take no other kind. Twenty-drugstarts over the contract of the contract of



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culations, weather forecasts, first-class cooking recipes, and matter relating to farm and home; family, old or young.

MISSOURI WEATHER AND CROPS.

U. S. Department of Agriculture, climate

vember, 1962.

Renovated—Good 20822c.

EGGS—Current receipts 20% to 22c.
CHESSE—Jobbing: Twins at 12%c; sinsise 13; datsise 12%c; Y. A. 13%; longhorn 13%c; Limburger 11%cli2c. Swiss—New 130 14c; choice o'd 16; brick 12612%c.

LIVE POULTRY—Staggy young roasters Sc; broilers 2-ib and under 11%c; choice o'd 16; brick 12612%c.

LIVE POULTRY—Staggy young roasters Sc; broilers 2-ib and under 11%c; turkeys, 11612c. Ducks 12c. Geose 3%c. Live pigeons and squabs, per doz., 7%c.

WOOL—Missouri and I'linois—medium combings and cloth mxd., 19%260; clothing 18%261; low and braid 17%2618; heavy fine 18%2619; low and braid 17%2618; heavy fine 18%2619; low and braid 17%2618; heavy fine 18%2616; light lamb 17%2618; heavy fine 18%2616. COTTON—Spot market quiet, 1-16c lower; unchanged. Good ordinary, 7 5-16; low midding 1%; middling 8%; middling 8%; middling fair 3%. Tinges and stans, ½67%c of white.

BEESWAX—28c per lb. for prime.

cottron-spot market queen critical and continuity of the control and eastern fair 3%. Tinges and stams, %6%c off white.

BEESWAX—28c per lb. for prime.
BHEEP PELTS—Full-wool pelts nominally 75c@31; shearings at 10625c; dry stock, failen, etc., %616c per lb.
HONEY—Comb—Dark, 12616c; bright amber 14615; family white clover 16617.
HOPS—New—New York at 35c@36; Western at 30633c; Bavarian at 46647c.
BEANS AND PEAB—White \$2.0632c, dry stock, failen, etc., %616c per lb.
BEANS AND PEAB—White \$2.0632c, dry stock at 35c@36; Western at 30633c; Bavarian at 46647c.
BEANS AND PEAB—White \$2.0632c, dry stock at 35c@36; California pink (per lb) 3%c%c; New York kidney 6; Lima beans \$5/cc; lentil 4/cc.
BROOM CORN—Nominally firm. Per ton; Fair \$55600; common \$40650; choice at \$56675.

POP CORN—New white on cob \$1.18

Columbia, Mo., Dec. 1, 1902.

A NEW FEATURE IN FARMERS' IN-STITUTE.

shellbark.

SORGHUM CANE SEED—\$1.25 per 100
lbb.

SORGHUM—Prime at 22/224c per gal.

MAPLE SUGAR AND SIRUP—New
maple sugar \$6/12c per ib.; Canadian 13c;
maple syrup \$00/90c per gal.

GRASS SEED—Timothy \$2.90(\$3.25; claver \$1.50; falr to good \$1.25(\$4.05; choice \$1.00; \$41.25; falr to good \$1.25(\$4.05; choice \$1.25; falr to good \$1.25(\$4.25; choice

per bbl., according to quality and 90@41
per 100 on trk.
GRAPES—Catawba 20c per pony basket.
PEARS—Keifer\$3638.50 p.r bbl. choice.
CRANBERRIES—New Cape Cod at \$7.75
Sessions. 10 a. m. 1:30 p. m. and 7:00 p. m.
Knobnoster, Tuesday, December 9th.
Sessions. 10:00 a. m., 1:30 p. m., and 7:00 p. m.

p. m. California. Thursday, December 11th

the diseases of plants and animals and their remedies, and a great many other things that affect the farmer's profits every season of the year Every farmer annot visit the Experiment Station and learn what is being done there and for the PAGE.

The Has been used for over staty years.

EXHIBIT CAR.—For the purpose of making these meetings more interesting and profitable arrangements have been made to take to all the places where meetings are held a Missouri Experiment Station exhibit car. The Missouri Pacific Railroad company has made this feature of the meetings possible by agreeing to

transport the car over their lines. The car will be filled with materials for li-lustrating the lectures and demonstrating the work of the Experiment Station as

ILLUSTRATIVE MATERIAL AND DEMONSTRATION.

Agriculture and Live Stock.

Specimens of the various important rasses and forage plants such as alfalfa, lifterent varieties of cow peas, different arieties of soy beans, various clovers, and the important grasses adapted to different sections of the state.

Standard types of corn adapted to different classes of soils.

rent classes of soils.
Collection of concentrated feeding stuffs ch as linseed meal, cottonseed meal, aten meal, etc., with their value for tening cattle and for feeding dairy

er use.

Paintings, diagrams, charts, photo-graphs and magic lantern slides illustrat-ing the most profitable types of beef and dairy cattle.

HORTICULTURE.

Exhibit of properly grown fruit trees illustrate the best methods of pruning

nd shaping trees. Exhibit of typical commercial varieties of fruit.

of fruit.

Exhibit of spraying apparatus, including pulletin of the weather bureau, section, for the month of No-1996.

Section, for the month of No-1996.

Exhibit of spraying apparatus, including pumps, nozsies and spray materials, with the demonstration of their proper use.

Exhibit of common diseases of the apple, warmer than usual throughout with illustrations of the best methods of

Exhibit of common insect pests of the orchard, garden and farm, with illustra-tions of the best methods of combating

prune orchard trees.

A demonstration of how to graft apple

trees.
Charts, diagrams and drawings illustrating the best methods of pruning trees in the orchard, and of training and pruning grape vines.
A demonstration of how to select straw-

GENERAL.

Magic lantern views of the work of the different departments of the Experiment Station, and illustrating student life in

the Agricultural College.

STANDARD AGRICULTURAL LI-BRARIES. Exhibit of the best half a dozen books

Exhibit of the best half a dozen books:
For the general farmer.
For the live stock farmer.
For the commercial orchardist.
For the small fruit grower.
For the vegetable grower.
A list of the best bulletins and reports for free distribution, relating to cattle feeding, hog feeding, corn growing, cow peas, clover, soy beans, alfalfa, dairying, fruit growing, vegetable growing, etc.
LECTURERS AND BUBJECTS.
H. J. Waters, Dean of the Agricultural College and Director of the Experiment Station will attend all the meetings the first of the week, December 8th to 18th, and will discuss the following subjects:
The most Profitable Types of Animals for Dairy Purposes.

Cattle Feeding. Cattle Breeding.

Improving the Fertility of the Soil. Alfalfa, Cow Peas, Clover, Grasses, etc.

(Illustrated.) (Illustrated.)

The Agricultural College and Experiment Station. (I.lustrated.)

F. B. Mumford. Professor of Agriculture will attend all the metings the second week, December 15 to 20, and will discuss the same subjects assigned to Dean Waters. Waters

J. C. Whitten, Horticulturist of the Exeriment Station, will attend all the meet-ngs on the list and will discuss the fol-

ings on the list and will discuss the following subjects:

Profits in Commercial Orcharding.

Profits in Small Fruit Growing.

Planting, Cultivating and Management of the Orchard. (Illustrated.)

Insect Pests and Fungous Diseases and Their Prevention. (Illustrated.)

D. F. Luckey, State Veterinarian will attend all the meetings on the list and illususs the following subjects:

The Horse. (Illustrated.)

Contagious Diseases Among Live Stock. Live Stock Sanitation.

W. T. Carrington, State Superintendent of Schools, or some one from his department, will attend the meetings the first week, December 8th to 13th, and discuss What Shall We Tea'h in the Rural Schools?

Schools?

L. J. Hall, Assistant State Superintendent of Schools, will attend all the meetings the second week, December 16th to 20th, and discuss

A Fractical Education for the Farmer's

nything in the RURAL WORLD from

Maiden is the greatest melon center. have seen three trains of melons leave Malden in one day. Once I started south from Malden in melon time and for about one to five in groups, and the groups only a few rods apart, all loaded with melons. Some ship them off, but as there are

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track. They load the meions in stock cars, about 1250 in a car.

Oliver and timothy grow fine on the cars and the composition goes on the causes a loss of nitrogen, team most costing element, because it is the east the experiment of the control of the cars and keeps his farm in condition to get the control of the control of the control of the cars and keeps his farm in condition to get the control of the con

has had experience with a stump puller. R. C. YOUNG.

KNITTING AS A SEDATIVE.

The following story told by a gentlema who visited Santos-Dumont at his home in Paris some time ago, is going the rounds of the British Press as a World's

Fair item:
"Santos-Dumont's whole house, ing in the Elysee Palace Hotel are fille with pieces of embroidery, tapestry work and knitting of his own doing. When the man wants mental change or rest h knits. When he is studying out a trouble some problem in connection with his air he knits. When he returns tired and nervous, after several hours spent in his sheds with his workmen, he spent in his sheets with his workmen, he knits. It is not so strange that a man who makes his chief business in life the attempt to solve the problems of aerial navigation should turn for his amusement to something peaceful and quiet, but one is hardly prepared for just such an extreme as knitting."

attempt to solve the problems of aerial navigation should turn for his amusement to something, peaceful and quiet, but one is hardly prepared for just such an extreme as knitting."

PREPARING FOR WINTER.

Half the success of farming in all its branches depends upon due preparation for the different seasons when they come. The man without his farm tilled and seed ready when spring sowing weather is here cannot hope to make a good crop. The stockman without winter food and warm quarters for his stock can hardly expect his animals to fatten and remain strong and thrifty. One may overcome these difficulties by extra outlay of money for hired help and purchase of feed, but the money expended in this way will eat up the profits and success can hardly follow. The preparation for winter is one of the most important on the farm whether one keeps stock or enters merely into general farming. The winter quarters of stock and poultry and sheep must be warm, protected and free from filth and verming short. Rather than run short it is better to sell off the stock to numbers within land.

WHAT AN ADVERTISER SAYS.

Mr. James W. Turner of Shelbyville, Mo., in remitting for his advertising bill, says: "I have just received an order for four sheep to be sent to the Indian Territory, to a reader of your paper. I consider the RURAL WORLD to be one of the pest advertising mediums in the country, and wish it continued success."

Dr. Benjamin Rush, Surgeon-General of the American Army in the War of the Revolution, has left the statement that the principal vegetables of his time were cabbage and turnips. He also says tha the first real gardens in America were made by the Hessian prisoners.

FARM YARD MANURE: ITS VALUE (Continued From First Page.)

Bessions. 19:00 a. m., 1:30 p. m., and 7:50 p. A job that is always "coming" on any well managed farm is that of hauling and spreading manure. And the more there is of it to haul the better it is for the farm. And therefore for the farmer. The most important thing to be observed in this connection is to get the manure out. Thousands of tons of this very valuable material go to waste every year on farms that are very much in need of it, says the "Wisconsin Agriculturalist."

Bome people delude themselves by thinking that when they do not haul ther manure out it is rotting and therefore becoming more valuable, but scientists have proven beyond a doubt that to get the most value in the way of fertility to the land from manure it cannot be hauled out too quickly after it is dropped. In this rotting process that is thought to the farming it is only robbing the soil. Farming is where a man gets maximum

regulated to the needs of the land much castles.

This is how many of us grow peas here: Drill corn E½ or 6 feet apart, cultivate once or twice, drill peas in middle and plow once. We thus make about as much corn as to plant any other way and can make 10 to 30 bushels of peas per acre besides.

Will somebody please tell me how to grow catalpa from seed or cuttings? I would like to hear from some one who has had experience with a stump puller.

BUSINESS POINTERS.

In Western draft horse circles Mr. In Western draft horse circles Mr. M. L. Ayres, at Shenandosh, Iowa, has made no little stir the last few years. His favorite first, last and all the time, is the Percheron. Mr. Ayres goes to France each year and selects his own horses. Being an old-time "westerner" himself Mr. Ayres thinks he knows pretty nearly the type of draft horse in demand by Western stallioners. His horses have certainly been quick and easy sellers, and he has always commanded good substantial prices, just what is right between man and man. But Mr. Ayres is even more than an importer of first-class horses; he maintains a first-class Percheron horse breeding establishment, and it ron horse breeding establishment, and it is to be understood that he raised th

WORLD'S PRIZE CORN. PRIDE OF SALINE,"
receive two bushel Pound Ear

H. HOWARD, Marshall, Mo. CALLOWAY COUNTY HERD OF DUROC-JERSEY HOGS. A choice let of Boars ready for service and Gilles to breed. B. B. THURMOND & BRO., Auxyasse, M.

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market reports, letters from the gradest hog
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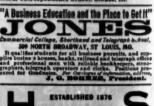
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A 3-ton with heavy double brass beam, strong castings, torged from loops and steel bearings, large and box, very simple to build, at 485.06, is the best bargain ever offered in a farm scale! No farms can afford to send a need of whest, corn or potatoes, a force of cattle or even a lar of butter to market without first knowing how many pounds he has to sell. Instances are without smukes where farners wight to baske it measure. cacle in one day by knowing whether to sell by the bushe it weight or baske it measure.

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